

Keith Finlay

Washington, DC

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Education

University of California, Irvine <i>PhD, Economics</i>	Irvine, CA 2007
University of California, Irvine <i>MA, Economics</i>	Irvine, CA 2006
Reed College <i>BA, Economics</i>	Portland, OR 2000

Experience

US Census Bureau <i>Research Economist</i>	Washington, DC 2015–
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- o Developing a national, linked Criminal Justice Administrative Records System (CJARS) housed at the Census Bureau.
- o Designed and built a data discovery tool for administrative records assets at the Census Bureau. This dashboard helps users identify data quality problems using metadata and summary statistics harvested algorithmically from tens of thousands of data files.
- o Constructed a sample frame for the National Survey of Children's Health using administrative records to identify households likely to have children present.

Tulane University <i>Assistant Professor, Department of Economics</i>	New Orleans, LA 2007–2015
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- o Conducted research in the areas of applied econometrics, labor economics, and health economics.
- o Taught PhD courses on econometrics, program evaluation, and causal inference.
- o Taught undergraduate courses on econometrics, urban economics, labor economics, program evaluation, and causal inference.
- o Published eight peer-reviewed research articles as well as software packages for conducting applied econometrics; awarded more than \$450,000 in external research funding.
- o Managed department's high-performance computing resources.

Skills

Parametric and nonparametric statistics: linear and nonlinear estimation, nonparametric regression, discrete choice modeling, partial identification

Impact evaluation: evaluation design, randomized control trials, contingent choice experiments, quasi-experimental research designs

Survey design: sample frame construction using administrative records

Record linkage: probabilistic record linkage, linked data quality control

Simulation-based inference: bootstrap inference, Monte Carlo simulation

Economics research: applied econometrics, labor economics, health economics, economic demography

Computing: statistical computing and software development (Stata, Python, R, Matlab), databases (SQL), scripting (shell, Python), version control (git), geographic information systems, markup (L^AT_EX, HTML)

Scientific communication: technical writing, data visualization, grant proposals

Professional Development

MITx 6.00.1x: Introduction to Computer Science and Programming Using Python

Publications

Scott Cunningham and Keith Finlay. 2016. Identifying Demand Responses to Illegal Drug Supply Interdictions. *Health Economics* 25 (10): 1268–90.

Scott Cunningham, Keith Finlay, and Charles Stoecker. 2015. Is Mississippi's Prescription-Only Precursor Control Law a Prescription to Decrease the Production and Raise the Price of Methamphetamine? *International Journal of Drug Policy* 26 (11): 1144–49.

James Alm and Keith Finlay. 2013. Who Benefits from Tax Evasion? *Economic Analysis and Policy* 43 (2): 139–54.

Scott Cunningham and Keith Finlay. 2013. Parental Substance Use and Foster Care: Evidence from Two Methamphetamine Supply Shocks. *Economic Inquiry* 51 (1): 764–82.

Keith Finlay, Leandro Magnusson, and Mark E. Schaffer. 2013. weakiv: Stata Module to Perform Weak-Instrument-Robust Tests and Confidence Intervals for Instrumental-Variable (IV) Estimation of Linear, Probit, and Tobit Models. Software published 13 August 2013 on *Statistical Software Components* at <http://ideas.repec.org/c/boc/bocode/s457684.html>. Last updated 4 October 2014.

Keith Finlay and David Neumark. 2010. Is Marriage Always Good for Children?: Evidence from Families Affected by Incarceration. *Journal of Human Resources* 45 (4): 1046–88.

Keith Finlay. 2009. Effect of Employer Access to Criminal History Data on the Labor Market Outcomes of Ex-Offenders and Non-Offenders. In *Labor Market Intermediation*, edited by David Autor, 89–125. University of Chicago Press.

Keith Finlay and Leandro M. Magnusson. 2009. Implementing Weak Instrument Robust Tests for a General Class of Instrumental Variables Models. *Stata Journal* 9 (3): 398–421.

Working Papers

Keith Finlay and Leandro M. Magnusson. 2018. Two Applications of Wild Bootstrap Methods to Improve Inference in Cluster-IV Models. Third revision resubmitted to *Journal of Applied Econometrics*.

Keith Finlay. 2016. Stigma in the Labor Market. Revision requested from *Journal of Human Resources*.

Research funding

Laura and John Arnold Foundation	\$922,064
<i>Co-PI</i>	<i>2016–2018</i>

Robert Wood Johnson Foundation	\$116,462
<i>PI</i>	<i>2012–2014</i>

National Science Foundation
Co-PI

\$346,280
2010–2013